

BRODHEAD CREEK OU2
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

II. REMEDIAL ENFORCEMENT PLANNING

1. Administrative Order on Consent for Focused Remedial Investigation/Feasibility Study In The Matter Of: Brodhead Creek Superfund Site Monroe County, Pennsylvania, Pennsylvania Power and Light Company, Union Gas Company, Docket No. III-92-26-DC, 5/13/92. P. 200001-200043.
2. First Amendment to Administrative Order on Consent for Focused Remedial Investigation/Feasibility Study In The Matter Of: Brodhead Creek Superfund Site, Monroe County, Pennsylvania, Pennsylvania Power and Light and Union Gas Company, Docket No. III-92-26-DC, 5/19/94. P. 200044-200055. A transmittal letter is attached.

* Administrative Record File available 10/21/94, updated 5/19/95, 5/25/95 and 8/3/95.

** For further information pertaining to the Brodhead Creek Site please refer to the Brodhead Creek Site OUI Administrative Record File.

III. REMEDIAL RESPONSE PLANNING

1. Report: Work Plan RI/FS OU-2, Brodhead Creek Site, prepared by Environmental Resources Management, Inc., 9/1/92. P. 300001-300235.
2. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Comments on the Focused RI/FS Work Plan, 11/4/92. P. 300236-300244.
3. Facsimile memorandum to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management, Inc., re: Response to EPA comments on the RI/FS Work Plan for OU2, 11/18/92. P. 300245-300262. The response is attached.
4. Memorandum to Mr. John Banks, U.S. EPA, from Mr. Murray Rosenberg, CH₂M Hill, re: Information on the site trip report, 11/30/92. P. 300263-300265.
5. Letter to Mr. John Banks, U.S. EPA, from Lynn T. Ratzell, Pennsylvania Power and Light Company, re: Draft responses and proposed changes to EPA's comments on the Work Plan, 12/4/92. P. 300266-300329. The responses and changes and an envelope are attached.
6. Facsimile memorandum to Mr. Jim Villaume, Pennsylvania Power and Light Company, from Ms. Joan Kimsey, Environmental Resources Management, Inc., re: Change in analytical methods requested by EPA, 12/23/92. P. 300330-300332. A list of compounds included in Method 525.1 and a facsimile cover sheet are attached.
7. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Review of and comments on Focused RI/FS Work Plan proposed revisions, 1/4/93. P. 300333-300336. A facsimile cover sheet is attached.
8. Letter to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management, Inc., re: Response to comments on the Focused RI/FS Work Plan, 2/9/93. P. 300337-300361. The revised pages from the RI/FS Work Plan and a facsimile cover sheet are attached.
9. Handwritten Site Visit Summary, 2/18/93. P. 300362-300362.

10. Handwritten Site Visit Summary, 2/24/93.
P. 300363-300363.
11. Letter to Mr. Jim Villaume, Pennsylvania Power and Light Company, from Ms. Joan E. Kimsey, Environmental Resources Management, Inc., re: Information on the bedrock monitoring well construction, 3/1/93.
P. 300364-300366. An envelope is attached.
12. Letter to Mr. John Banks, U.S. EPA, from Lynn Ratzell, Pennsylvania Power and Light Company, re: Approval of the request to change the construction of the bedrock monitoring well, 3/4/93. P. 300367-300369. A letter regarding the modification of the monitoring well construction for the bedrock wells is attached.
13. Letter to Mr. Edward Dix, Pennsylvania Department of Environmental Resources (PADER), from Mr. Jeff Gerlach, Environmental Resources Management, Inc., re: Endangered species in the immediate area of the site, 3/4/93. P. 300370-300374. A map of the USGS topographic quadrangle-Stroudsburg Pennsylvania is attached. Copies of this letter and the map were also sent to Mr. Mark Shiffer, Pennsylvania Fish and Boat Commission; Mr. Charles Kulp, U.S. Fish and Wildlife Service; and Mr. Tom Hardiskay, Pennsylvania Game Commission.
14. Facsimile memorandum to Mr. John Banks, U.S. EPA, from Ms. Joan Kimsey, Environmental Resources Management, Inc., re: Information pertaining to adjacent MW-1 and B-5, 4/12/93. P. 300375-300378. A description of Pennsylvania Power and Light Boring B-5; Table 2-1, Brodhead Creek Site Well Specifications; and Figure A-1, Pennsylvania Power and Light Site Borings are attached.
15. Facsimile letter to Mr. Jim Villaume, Pennsylvania Power and Light Company, from Ms. Joan E. Kinsey and Ms. Marilyn Hewitt, Environmental Resources Management, Inc., re: Installation of bedrock wells, 4/19/93.
P. 300379-300381. A facsimile cover sheet is attached.
16. Letter to Mr. John Banks, U.S. EPA, from Lynn I. Ratzell, Pennsylvania Power and Light Company, re: Information describing the installation of the three bedrock monitoring wells, 5/25/93. P. 300382-300396. The following are attached:

- a) a letter regarding the installation of bedrock wells, dated May 27, 1993;
 - b) Figure 1, Bedrock Monitoring Well Locations;
 - c) seven drilling logs;
 - d) an envelope.
- 17. Letter to Mr. James and Ms. Wilma Rinker from Mr. John Banks, U.S. EPA, re: Request for permission to sample the Rinker's well, 5/26/93. P. 300397-300398.
 - 18. Report: Work Plan RI/FS OU-2, Brodhead Creek Site, prepared by Environmental Resources Management, Inc., 6/7/93. P. 300399-300766. A transmittal letter is attached.
 - 19. Memorandum to Mr. John Banks, U.S. EPA, from Mr. Murray Rosenberg, CH₂M Hill, re: Trip report for well installation oversight and ground water split sampling in OU2, 6/24/93. P. 300767-300773.
 - 20. Letter to Mr. Murray Rosenberg, CH₂M Hill, from Mr. James F. Villaume, Pennsylvania Power and Light Company, re: Preliminary analytical results from the first round of sampling of the deep monitoring wells, 7/12/93. P. 300774-300843. The analytical results and a transmittal sheet are attached.
 - 21. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Approval of the RI/FS Work Plan, 7/29/93. P. 300844-300844.
 - 22. Letter to Mr. John Banks, U.S. EPA, from Lynn Ratzell, Pennsylvania Power and Light Company, re: Appendix E to the Work Plan containing a compilation of the Monthly Progress Reports submitted through June 1993, 8/25/93. P. 300845-300846. An envelope is attached.
 - 23. Memorandum to Ms. Lisa Nichols, U.S. EPA, from Ms. Cynthia Caporale, U.S. EPA, re: Organic data validation for SAS 7837C-01, 8/31/93. P. 300847-300896. The organic data validation report is attached.
 - 24. Memorandum to Mr. John Banks, U.S. EPA, from Ms. Cynthia E. Caporale, U.S. EPA, re: Organic data validation for SAS 7782C-01, 9/8/93. P. 300897-300934. The organic

data validation report is attached.

25. Report: Analytical Quality Assurance Report, Ground Water Samples Collected 3 June and 4 June 1993 in Association with the Remedial Investigation/ Feasibility Study at OU-2 of the Brodhead Creek Site, East Stroudsburg, Pennsylvania, prepared by Environmental Resources Management, Inc., 9/9/93. P. 300935-300953. Two transmittal letters are attached.
26. Letter to Ms. Joan Kimsey, Environmental Resources Management, Inc., from Mr. Murray J. Rosenberg, CH₂M Hill, re: Laboratory results for the first round of split ground water samples, 9/27/93. P. 300954-300955. An envelope is attached.
27. Facsimile memorandum to Mr. John Banks, U.S. EPA, from Ms. Joan Kimsey, Environmental Resources Management, Inc., re: Analytical results for the Carl Seal Well, 12/9/93. P. 300956-300960. The analytical results are attached.
28. Letter to Mr. James and Ms. Wilma Rinker from Mr. John Banks, U.S. EPA, re: Analytical results from the June sampling of the Rinker's well, 12/16/93. P. 300961-300962.
29. Letter to Mr. John Banks, U.S. EPA, from Arundhati Khanwalker, Pennsylvania Power and Light Company, and Mr. Kermit L. Rader, Union Gas, re: EPA's new policy on performance of Risk Assessments during Remedial Investigation/Feasibility Studies conducted by potentially responsible parties, 2/9/94. P. 300963-300979.
30. Letter to Mr. James and Mrs. Wilma Rinker from Mr. John Banks, U.S. EPA, re: December 10, 1993 resampling of the Rinker's well, 3/14/94. P. 300980-300988. An analytical data package is attached.
31. Report: PP&L and Union Gas, Brodhead Creek Site, OU-2, Summary Report Focused Remedial Investigation, prepared by Environmental Resources Management, Inc., 4/12/94. P. 300989-301022. A transmittal letter is attached.
32. Memorandum to Mr. John Banks, U.S. EPA, from Mr. Murray

Rosenberg, CH₂M Hill, re: The Remedial Investigation/ Feasibility Study Oversight meeting summary from April 14, 1994, 4/22/94. P. 301023-301025.

33. Memorandum to Mr. John Banks, U.S. EPA, from Ms. Cynthia Caporale, U.S. EPA, re: Organic data validation for SAS 8252C-01, 5/6/94. P. 301026-301108. The organic data validation report is attached.
34. Report: PP&L and Union Gas Risk Assessment Work Plan Brodhead Creek Site/Operable Unit 2 (OU-2), Stroudsburg, Pennsylvania, prepared by Environmental Resources Management, Inc., 6/17/94. P. 301109-301125. A transmittal letter is attached.
35. Letter to Mr. James Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: EPA and PADER comments on the review of the Baseline Risk Assessment Work Plan, 8/2/94. P. 301126-301135. A memorandum containing draft guidance on selecting analytical metal results from monitoring well samples for the quantitative assessment of risk is attached.
36. Report: PP&L and Union Gas Final Risk Assessment Work Plan, Brodhead Creek Site/Operable Unit 2 (OU2), Stroudsburg, Pennsylvania, prepared by Environmental Resources Management, Inc., 8/16/94. P. 301136-301152. A transmittal letter is attached.
37. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Transmittal of EPA's review and comments on the draft Remedial Investigation and draft Risk Assessment reports, 1/13/95. P. 301153-301160.
38. Letter to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management, Inc., re: Response to EPA's comments dated January 13, 1995, 2/14/95. P. 301161-301174.
39. Report: Final Risk Assessment Operable Unit 2, Brodhead Creek Site, prepared by Environmental Resources Management, Inc., 2/14/95. P. 301175-301236.
40. Report: Final Feasibility Study Operable Unit 2, Brodhead Creek Site, prepared by Environmental Resources

Management, Inc., 3/14/95. P. 301237-301385. A transmittal letter is attached.

41. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: EPA's review and comments on the final Risk Assessment and the Remedial Investigation report, 3/17/95. P. 301386-301388.
42. Letter to Mr. John Banks, U.S. EPA, from Derek Ross, Environmental Resources Management, Inc., re: Response to EPA's comments of March 17, 1995, 4/7/95. P. 301389-301392.
43. Report: Final Remedial Investigation Operable Unit 2, Brodhead Creek Site, prepared by Environmental Resources Management, Inc., 4/7/95. P. 301393-301608.
44. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: EPA's approval of the Remedial Investigation Report, 4/11/95. P. 301609-301610. A facsimile transmittal sheet is attached.
45. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: EPA's review and comments on the Feasibility Study for the Site, 5/5/95. P. 301611-301617.
46. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Supplemental comments to the draft Feasibility Study Report and Technical Impracticability Waiver Analysis, 5/23/95. P. 301618-301622. A facsimile cover sheet is attached.
47. Preliminary Remedial Action Schedule for In-Situ Stabilization of Subsurface Soils Containing Coal Tar and In-Situ Biological Treatment of Subsurface Soils Containing Coal Tar, 5/24/95. P. 301623-301624. A facsimile cover sheet is attached.
48. Proposed Remedial Action Plan, Brodhead Creek Site, 5/24/95. P. 301626-301652. The following are attached:
 - a) Alternative Evaluation Criteria;
 - b) Exhibit A, Brodhead Creek Site Location Map;

- c) Figure 1, Maximum Probable Extent of Free Coal-Tar Surface;
 - d) Figure 2, Bedrock Monitoring Well Locations;
 - e) Table 1, Water Quality Reported for Organics;
 - f) Table 2, Relevant and Appropriate Requirements for Ground Water, Brodhead Creek Site Feasibility Study.
- 49. Routing and Transmittal Slip to Mr. Leonard Zelinka, PADER, from Mr. John Banks, U.S. EPA, re: Transmittal of the first draft of the Proposed Plan for the site, 4/12/95. P. 301653-301653.
 - 50. Letter to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management, Inc., re: Proposed well sampling at the site, 5/2/95. P. 301654-301657.
 - 51. Letter to Mr. John Banks, U.S. EPA, from Mr. Leonard Zelinka, PADER, re: Notification that PADER has no comment on Proposed Plan, 5/4/95. P. 301658-301658.
 - 52. Letter to Mr. John Banks, U.S. EPA, from Mr. Leonard Zelinka, PADER, re: Transmittal of the State Applicable or Relevant and Appropriate Requirements (ARARs) for the site, 5/4/95. P. 301659-301715. A report entitled "ARARs for Cleanup Response and Remedial Actions in Pennsylvania is attached."
 - 53. Routing and Transmittal Slip to Mr. Leonard Zelinka, PADER, from Mr. John Banks, U.S. EPA, re: Transmittal of the second draft of the Proposed Plan, 5/8/95. P. 301716-301717.
 - 54. Summary of Groundwater Analyses for the site, prepared by Environmental Resources Management, Inc., 5/23/95. P. 301718-301719.
 - 55. Routing and Transmittal Slip, to Mr. Leonard Zelinka, PADER, from Mr. John Banks, U.S. EPA, re: Transmittal of the final Proposed Plan and noting the significant changes from the last draft, 5/23/95. P. 301720-301720.
 - 56. Letter to Mr. James Villaume, Pennsylvania Power and Light Company, and Ms. Traci Self, Union Gas Company, from Mr. John Banks, U.S. EPA, re: Transmittal of the

Proposed Plan and notification of the start of the public comment period, the date and location of the public meeting to present the Plan, and the date and location of the advertisement announcing the public meeting, 5/24/95. P. 301721-301721.

57. Report: Brodhead Creek Site OU2 Ground Water Sampling Results, prepared by Environmental Resources Management Inc., 5/26/95. P. 301722-301824. A transmittal letter to Mr. John Banks, U.S. EPA, from Ms. Lynn Ratzell, Pennsylvania Power and Light Company is attached.
58. Letter to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management Inc., re: Transmittal of responses to EPA's May 5, 1995, review and comments of the draft Feasibility Study Report, 6/12/95. P. 301825-301833.
59. Letter to Mr. John Banks, U.S. EPA, from Mr. Derek Ross, Environmental Resources Management Inc., re: Transmittal of responses to EPA's May 23, 1995 supplemental comments concerning the draft Feasibility Study and Technical Impracticability Waiver Analysis reports, 6/12/95. P. 301834-301838.
60. Letter to Mr. Leonard Zelinka, PADER, from Mr. John Banks, U.S. EPA, re: Transmittal of the first draft of the Record of Decision, 6/14/95. P. 301839-301839.
61. Letter to Mr. James F. Villaume, Pennsylvania Power and Light Company, from Mr. John Banks, U.S. EPA, re: Transmittal of EPA's response to Mr. Derek Ross' June 12, 1995, letter concerning the Feasibility Study for the site, 6/22/95. P. 301840-301843.
62. Memorandum to Mr. John Banks, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: EPA's certification of the Baseline Risk Assessment, 6/27/95. P. 301844-301844.
63. Letter to Mr. John Banks, U.S. EPA, from Joan E. Kinsey, Environmental Resources Management, Inc., re: Transmittal of Response Letter to Comments on the Revised Feasibility Study and Technical Impracticability Analysis, Final Feasibility Study Report, and the Final Technical Impracticability Report, 6/29/95. P. 301845-301997. EPA's comments dated June 22, 1995, are attached.

- 64. Letter to Mr. Stanley L. Laskowski, U.S. EPA, from Mr. William F. McDonnell, PADER, re: PADER's conditional approval of the Record of Decision, 6/30/95. P. 301998-301999.
- 65. Record of Decision, Brodhead Creek Site OU2, 6/30/95. P. 302000-302059.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Announcement of public meeting for the Proposed Remedial Action Plan, 5/25/95. P. 500001-500002.
2. U.S. EPA Fact Sheet, re: Release of Proposed Remedial Action Plan, 6/95. P. 500003-500006.
3. Transcript of public meeting, Brodhead Creek Site, 6/6/95. P. 500007-500050.
4. Newspaper Article Entitled, "Brodhead Coal Tar Cleanup Unlikely," The Pocono Record, 6/7/95. P. 500051-500052.
5. Public Meeting Briefing Packet, entitled Brodhead Creek Superfund Site (no author cited), 6/6/95. P. 500053-500070.
6. Public Announcement, re: Announcement of Record of Decision for OU2 at the site, to appear in the Pocono Record, 8/4/95. P. 500071-500071.